

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

Claim 1. (Currently amended): A solid electrolytic capacitor comprising an anode formed of at least one metal selected from tantalum, niobium, titanium and tungsten, and a dielectric layer, an electrolytic layer and a cathode disposed on the anode, wherein the cathode comprises a mixed layer containing a first material consisting of silver particles having an average particle diameter (median diameter) of not less than 2 μm , a second material consisting of conducting carbon particles and/or silver particles having an average particle diameter (median diameter) of 1 μm or less and a binding agent, wherein an amount of the second material based on a total amount of the first material and the second material is in a range of 0.5 to 40 wt%.

Claim 2. (Original): The solid electrolytic capacitor as claimed in Claim 1, wherein the cathode comprises a carbon layer formed between the electrolytic layer and the mixed layer.

Claim 3. Cancelled.

Claim 4. (Currently Amended): The solid electrolytic capacitor as claimed in Claim [[3]] 1, wherein the amount of the second material based on the total amount of the first material and the second material is set in a range of 3 to 40 wt%.

Claim 5. (Currently amended): The solid electrolytic capacitor as claimed in Claim 1, wherein the silver particles having the average particle diameter (median diameter) of 1 μm or less are present in said second material and are reduced from silver oxide particles having the average particle diameter (median diameter) of 1 μm or less.

Claim 6. (Original): The solid electrolytic capacitor as claimed in Claim 1, wherein the binding agent is at least one resin selected from polyimide resin, epoxy resin and polyester resin.

Claim 7. (Currently amended): The solid electrolytic capacitor as claimed in Claim 1, wherein the conducting carbon particles are present in said second material and are carbon black and/or graphite.

Claim 8. (Currently amended): A fabrication method for solid electrolytic capacitor of Claim 1 comprising a step of forming the mixed layer containing the silver particles having the average particle diameter (median diameter) of 1 μm or less wherein the silver oxide particles having the average particle diameter (median diameter) of 1 μm or less contained in the mixed layer are reduced.

Claim 9. (Original): The fabrication method for solid electrolytic capacitor as claimed in Claim 8, wherein the silver oxide particles are reduced by heat-treatment at not less than 160°C.

Claim 10. (Currently amended): A solid electrolytic capacitor comprising an anode formed of at least one metal selected from tantalum, niobium, titanium and tungsten, and a dielectric layer, an electrolytic layer and a cathode disposed on the anode, wherein the cathode comprises a mixed layer containing a first material consisting of scale-shaped silver particles having a median in a maximum length of not less than 2 μm and having a ratio of a maximum length L to a thickness d (L/d) in a range of 4 to 100 and a second material consisting of conducting carbon particles and/or silver particles having an average particle diameter (median diameter) of 1 μm or less and a binding agent.

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Claim 11. (Original): The solid electrolytic capacitor as claimed in Claim 10, wherein the cathode comprises a carbon layer formed between the electrolytic layer and the mixed layer.

Claim 12. Cancelled

Claim 13. (Original): The solid electrolytic capacitor as claimed in Claim 10, wherein an amount of the second material based on a total amount of the first material and the second material is set in a range of 0.5 to 40 wt%.

Claim 14. (Original): The solid electrolytic capacitor as claimed in Claim 13, wherein the amount of the second material based on the total amount of the first material and the second material is set in a range of 3 to 40 wt%.

Claim 15. (Currently amended): A solid electrolytic capacitor comprising an anode formed of at least one metal selected from tantalum, niobium, titanium and tungsten, and a dielectric layer, an electrolytic layer and a cathode disposed on the anode, wherein the cathode comprises a mixed layer containing a first material consisting of silver particles having an average particle diameter (median diameter) of not less than 2 μm , a second material consisting of conducting carbon particles and/or scale-shaped silver particles having a median in a maximum length of 1 μm or less and having a ratio of a maximum length L to a thickness d (L/d) in a range of 4 to 100 and a binding agent.

Claim 16. (Original): The solid electrolytic capacitor as claimed in Claim 15, wherein the cathode comprises a carbon layer formed between the electrolytic layer and the mixed layer.

Claim 17. Cancelled.

Claim 18. (Original): The solid electrolytic capacitor as claimed in Claim 15, wherein an amount of the second material based on a total amount of the first material and the second material is set in a range of 0.5 to 40 wt%.

Claim 19. (Original): The solid electrolytic capacitor as claimed in Claim 18, wherein the amount of the second material based on the total amount of the first material and the second material is set in a range of 3 to 40 wt%.

Claim 20. (Currently amended): A solid electrolytic capacitor comprising an anode formed of at least one metal selected from tantalum, niobium, titanium and tungsten, and a dielectric layer, an electrolytic layer and a cathode disposed on the anode, wherein the cathode comprises a mixed layer containing a first material consisting of scale-shaped silver particles having a median in a maximum length of not less than 2 μm , a second material consisting of conducting carbon particles and/or scale-shaped silver particles having a median in a maximum length of 1 μm or less and a binding agent, wherein a ratio of a maximum length L to a thickness d (L/d) of the scale-shaped silver particles is in a range of 4 to 100.

Claim 21. (Original): The solid electrolytic capacitor as claimed in Claim 20, wherein the cathode comprises a carbon layer formed between the electrolytic layer and the mixed layer.

Claim 22. Cancelled.

Claim 23. (Original): The solid electrolytic capacitor as claimed in Claim 20, wherein an amount of the second material based on a total amount of the first material and the second material is set in a range of 0.5 to 40 wt%.

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Claim 24. (Original): The solid electrolytic capacitor as claimed in Claim 23, wherein the amount of the second material based on the total amount of the first material and the second material is set in a range of 3 to 40 wt%.
